

# FILE NAMING CONVENTION



AUG 06 2002

CC:

<input checked="" type="checkbox"/> BENNETT	<input checked="" type="checkbox"/> SYKES
<input checked="" type="checkbox"/> BREW	<input checked="" type="checkbox"/> ALLEN
<input checked="" type="checkbox"/> FLOWERS	<input checked="" type="checkbox"/> GOODNIGHT
<input checked="" type="checkbox"/> LASSITER	<input checked="" type="checkbox"/> NORRIS
<input checked="" type="checkbox"/> MCWILLIAM	<input checked="" type="checkbox"/> SPEER
<input checked="" type="checkbox"/> MUMFORD	<input checked="" type="checkbox"/> THOMAS
<input checked="" type="checkbox"/> STEPHEN	<input checked="" type="checkbox"/> PURYEAR

LYNDO PREPARE REPLY FOR SIGNATURE

REVIEW/DISCUSS WITH

OTHERWISE, ELECTRONIC PLANS  
WILL BECOME USELESS AND SCHEDULES  
WILL NOT BE MET.  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

MEMO TO: Troy Peoples, PE  
Tony Wyatt, PE  
Greg Fuller, PE  
Kevin Lacy, PE  
Terry Hopkins, PE  
Njoroge Wainaina, PE  
Don Lee

David Henderson, PE  
Charles Brown, PE, PLS  
Victor Barbour, PE  
Keith Johnston, PE, PLS  
Jay Bennett, PE  
Greg Perfetti, PE  
Ellis Powell, PE

CONFORM  
TO  
FILE  
NAMING  
CONVENTIONS.  
*JAB*

FROM: Franklin S. Winn, PE *Franklin S. Winn*  
Chairman, CADD Uniformity Task Force

DATE: August 5, 2002

SUBJECT: CADD Standard Revisions

Attached is a copy of CADD standard revisions as approved by the Electronic Plans Committee. The revisions include a change in the MicroStation design file naming convention and the GEOPAK point numbering allocations for each unit.

The revisions described were developed by the CADD Uniformity Task Force, and were approved by the Electronic Plans Committee. These changes took affect earlier this year, but have not been uniformly implemented throughout the Department. Please ensure that your Unit is in compliance with these changes.

CADD Standards such as these enable a much more efficient transfer of data between engineering units by improving project workflow. Thank you in advance for your support on these issues. If you have any questions, please contact me at 212-3127, or by email at fswinn@dot.state.nc.us.

FSW/rmc  
Attachment

cc: E. D. Walker  
Dobbie Barbour PE



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

March 15, 2002

MEMORANDUM TO:

Electronic Plans Committee

FROM:

Frank Winn, P.E.  
Chairman, CADD Uniformity Task Force

SUBJECT:

Recommendations of CADD Standard changes

The CADD Uniformity Task Force met on January 22, 2002 and, upon your approval, has accepted the following changes to the North Carolina Department of Transportation CADD standards.

- 1) A new file naming convention is to be implemented on all new projects starting after 2/22/02. This naming convention is for all DOT users and Engineering Consultant firms who produce TIP plans.

Because of the conflict that has occurred with other applications, all design files will have the extension of DGN. This is the Bentley assigned extension.

The following is the format for new files:

\*(TIP Number)\_(Unit Abbreviation)\_(File Type)\_(Description).dgn

Where:

- ♦ TIP Number is the Transportation Improvement Program assigned number.
- ♦ Unit Abbreviation is the assigned Unit Code.
- ♦ File Type describes the information in the file. (Property, Design, ROW, Topo, etc.)
- ♦ (Optional) Description is a user defined variable. (If a date is used, the format is year, month, day. A date of 010424 would be April 24, 2001)

An example would be R2005BA\_RDY\_DSN\_010424.dgn

The new Coordinate Geometry point numbering convention is to be implemented on all new projects starting after 2/22/02. This point numbering scheme is for all DOT users and Engineering Consultant firms who use Geopak to complete TIP Projects.

Unit / Branch	Number Sequence
Location and Surveys	1 -- 5000
Construction Unit	5001 - 10000
Photogrammetry	10001 - 15000
Roadway Design	15001 - 20000
Hydraulics	20001 - 25000
Structure Design	25001 - 30000
Geotechnical	30001 - 35000
Design Services	35001 - 40000
Traffic Engineering	40001 - 45000
Roadside Environmental	45001 - 50000

Consultants who are working on a DOT project should use the set of numbers assigned to the Unit that contracted the work. (For example, consultants contracted by Location and Surveys would use point numbers 1 -- 5000). If a consultant receives a file from a contracting DOT Unit, they should use the "List Point" command in Geopak Coordinate Geometry to see the point numbers previously used by the Unit and what point numbers are available for their use.

This change will make it possible at some later date to merge all point information for a project into one Geopak database (GPK) file. Each Unit will name their GPK file beginning with the word "JOB" followed by the assigned initials of their Unit. (I.e. Location and Surveys would name their GPK file "JOBLS.GPK").

Examples of Unit Abbreviations for CADD file names and GPK names are listed below. Others will be assigned as needed:

Unit Name	Unit Abbreviation
Geotechnical	GEO
Hydraulics	HYD
Location and Surveys	LS
Photogrammetry	PH
Roadside Environmental	REU
Roadway Design	RDY
Signals & Geometrics	SIG
Signals Management	SM
Structure Design	SD
Traffic Management Systems	TMS

We, the Electronic Plans Committee, approve the above recommended changes to NCDOT  
CADD Standards:

Deborah M. Barbour, P.E.  
State Design Engineer

Deborah Barbour

Victor Barbour, P.E.  
State Design Services Engineer

Victor Barbour

E.D. Walker,  
Chief Technology Officer

E.D. Walker